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APPLICANT : NISSAN MOTOR CO LTD;

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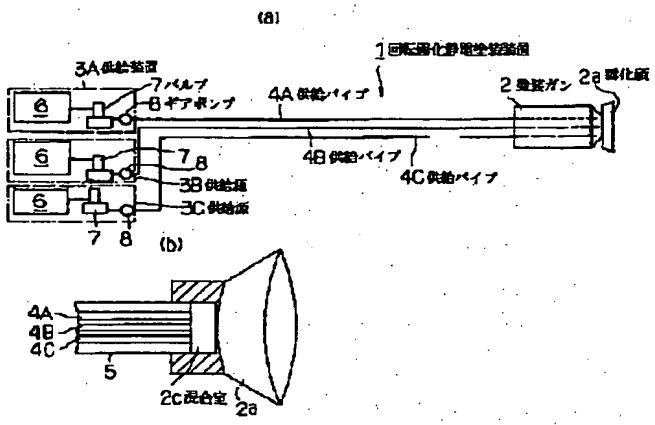
TITLE : ROTARY ATOMIZING ELECTROSTATIC COATER



ABSTRACT : PROBLEM TO BE SOLVED: To easily cope with an increase in coating colors, to save the space for installation and to reduce the equipment cost, etc., in a coater provided with a coating gun for centrifugally atomizing a paint supplied to a rotating cupped atomizer head by mixing the paints of plural colors behind the head.

SOLUTION: The atomizer head 2a of a coating gun 2 is fixed to the tip of a rotating shaft 5, the discharge tips of paint feed pipes 4A to 4C are opened behind the head 2a, and a mixing chamber 2c rotating along with the head 2a is provided. The feeders 3A to 3C each including a circulator 6 having a pump and a gear pump 8 are connected respectively to the feed pipes 4A to 4C. When the valves 7 of the feeders 3A to 3C are simultaneously opened, the circulator 6 and gear pump 8 are operated to supply the paint in the circulator 6 to the mixing chamber 2c through the pipes 4A to 4C, and the mixed paint is atomized from the mixing chamber 2c by the centrifugal force due to the roatation of the head 2a to conduct coating.

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